



AUG 21 2002  
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101792-100  
1 of 2  
PATENT

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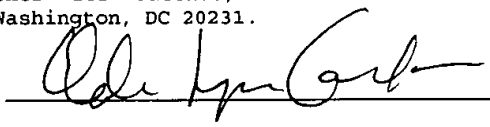
In re application of: David F. Gavin  
Craig Waldron  
Robert J. Martin  
George A. Polson

Docket: 101792-100  
COPY OF PAPERS  
ORIGINALLY FILED

Serial No.: 09/120,664 Art Unit: 1627  
Filed: July 22, 1998 Examiner: B. Celsa  
Assignee: Arch Chemicals, Inc.  
Title: COMPOSITE BIOCIDAL PARTICLES

Certificate of Mailing

Date of Deposit August 12, 2002  
I hereby certify under 37 CFR 1.8(a) that this correspondence (along with any paper referred to as being attached or enclosed) is being deposited with the United States Postal Service as first class mail with sufficient postage on the date indicated above and is addressed to Commissioner for Patents, U.S. Patent and Trademark Office, Washington, DC 20231.

Signed: 

Name: Dale Lynn Carlson

TRANSMITTAL OF PETITION FOR WITHDRAWAL OF  
A HOLDING OF ABANDONMENT

Attention: Office of Petitions  
Commissioner for Patents  
U.S. Patent and Trademark Office  
Box DAC  
Washington, D.C. 20231

Dear Sir:

Tranmitted herewith is a Petition for Withdrawal of a Holding Of Abandonment in the above-identified application.

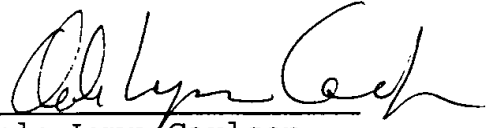
Please charge the \$130.00 Petition Fee against Deposit Account

No. 23-1665. A duplicate of this Transmittal paper is enclosed.

The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 23-1665.

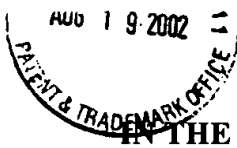
Respectfully submitted,

August 12, 2002  
Date

  
Dale Lynn Carlson  
Reg. No. 28,784  
Attorney for Applicant

WIGGIN & DANA LLP  
One Century Tower  
New Haven, CT 06510-7001  
(203) 498-4385

\12800\601\355141.1



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: David F. Gavin  
Craig Waldron  
Robert J. Martin  
George A. Polson

Docket: 101792-100

Serial No.: 09/120,664

Art Unit: 1627

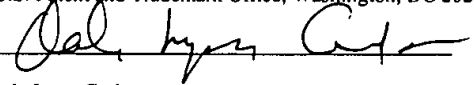
Filed: July 22, 1998

Examiner: B. Celsa

Assignee: Arch Chemicals, Inc.

Title: COMPOSITE BIOCIDAL PARTICLES

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Signed:	
Name:	Dale Lynn Carlson

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**PETITION FOR WITHDRAWAL OF A HOLDING OF ABANDONMENT**

Attention: Office of Petitions  
Commissioner for Patents  
U.S. Patent and Trademark Office  
Box DAC  
Washington, D.C. 20231

Dear Sir:

This Petition respectfully requests withdrawal of abandonment of this application indicated in the Notice of Abandonment mailed on July 15, 2002.

The reason for this request is that a response to the Board of Appeals Decision mailed on December 17, 2001 was provided in a Request for Rehearing filed under a Certificate of Mailing dated February 15, 2002. A copy of the Request for Rehearing is submitted herewith together with a copy of the post card confirming receipt by the Patent and Trademark Office.

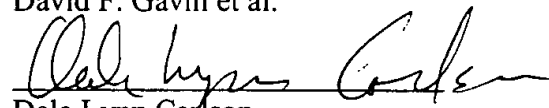
Accordingly, withdrawal of the holding of abandonment, and consideration by the Board of the Request for Rehearing are respectfully requested.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these

statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application, any patent issuing thereon, or any patent to which this verified statement is directed.

Date: August 12, 2002  
WIGGIN & DANA LLP  
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New Haven, CT 06508-1832  
Telephone: (203) 498-4385  
Facsimile: (203) 782-2889

Respectfully submitted,  
David F. Gavin et al.

  
Dale Lynn Carlson  
Reg. No. 28,784

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PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE  
BOARD OF PATENT APPEALS AND INTERFERENCES

COPY OF PAPERS  
ORIGINALLY FILED

Appellant: David F. Gavin  
Craig Waldron  
Robert J. Martin  
George A. Polson

Appeal No.: 2001-1647

Serial No.: 09/120,664

Examiner: B. Celsa

Filed: July 22, 1998

Art Unit: 1627

Assignee: Arch Chemicals, Inc.

For: COMPOSITE BIOCIDAL PARTICLES

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TECH CENTER 1600/2900

Certificate of Mailing	
Date of Deposit	February 15, 2002
I hereby certify under 37 CFR 1.8(a) that this correspondence (along with any paper referred to as being attached or enclosed) is being deposited with the United States Postal Service as first class mail with sufficient postage on the date indicated above and is addressed to Commissioner for Patents, Washington, D.C. 20231.	
Signed:	<i>Dale Lynn Carlson</i>
Name:	DALE LYNN CARLSON

Commissioner for Patents  
U.S. Patent and Trademark Office  
Washington, D.C. 20231

REQUEST FOR REHEARING OF AN ADVERSE DECISION OF THE  
BOARD OF PATENT APPEALS AND INTERFERENCES

Dear Sir:

This Request for Rehearing is in response to the Decision of the Board Of Patent Appeals and Interferences mailed on December 17, 2001 in the above-identified application.

No fee is believed to be required for submission of this Request for Rehearing.

However, if any fee is due or any additional charges associated with this submission, kindly charge Deposit Account No. 23-1665. This Request for Rehearing is submitted in triplicate.

## REMARKS

In its decision mailed on December 17, 2001, the Board of Patent Appeals and Interferences upheld the final rejection of instant claims 1, 38, 40 and 41, being all claims presently on appeal, as allegedly “clearly anticipated” under 35 U.S.C. 102(e) over the Morris patent (i.e., U.S. Patent 5,916,947). Support for the Board’s upholding this rejection is found *inter alia* in the sentence bridging pages 13 and 14 of the Board’s Opinion wherein it is stated that “The Morris “core” and “shell” appear to be made from the same “core” and “shell” materials mentioned in the claims on appeal. However, it is respectfully asserted that the Morris patent nowhere discloses or suggests any methodology for preparing a shell or a core of any kind, much less as instantly claimed.

As support for the Board’s position in affirming the Examiner’s rejection based upon the Morris patent, the Board refers to column 6, lines 24-25 of Morris, wherein it is stated that “according to Morris, surface coating the zinc oxide with zinc pyrithione ‘helps ensure that the \*\*\* [zinc pyrithione] contacts the zinc oxide’”. However, contact of zinc oxide with zinc pyrithione is respectfully believed to be irrelevant to the instantly claimed invention. Illustratively, instant claims 1 and 40 require that the shell comprise a pyrithione adduct comprising “a REACTION PRODUCT [emphasis inserted] of pyrithione with a portion of said core metal or metal compound”. This claim phraseology was apparently construed by the Board at page 14 of the Board’s Opinion as “a process limitation”. However, appellants respectfully assert that this claim language is instead a product limitation requiring that the shell comprise the recited reaction product. Instant claim 38 also contains a product limitation with respect to the shell, inasmuch as that claim requires that the shell comprise “a pyrithione adduct derived from a portion of the core metal”.

Assuming arguendo that Morris discloses a core and a shell (which it does not), the

teaching at column 6, lines 24-25 of Morris that the photosensitizer (e.g., zinc pyrithione) CONTACTS [emphasis inserted] the zinc oxide cannot provide the instantly claimed reaction product or shell's pyrithione adduct derived from a portion of the core metal" as instantly claimed. The reason is that it is impossible for Morris' zinc pyrithione to react with the zinc oxide is because each of these two compounds contain the same metal, namely zinc. There is no "driving force" to cause the zinc to chelate since the metal (zinc) is identical in both compounds. Contrarywise, the "transchelation" described in the paragraph bridging pages 12 and 13 of the instant specification employs CUPROUS oxide and SODIUM pyrithione (i.e., two different cations, copper and sodium), thus enabling the sodium pyrithione to react with the cuprous oxide to form copper pyrithione, as described in the instant specification. Thus, although the contact of zinc oxide with zinc pyrithione can provide a physical combination, it cannot provide the reaction product of pyrithione with core metal as instantly claimed

Accordingly, reconsideration of the Board's affirming the Examiner's rejection of the instant claims on appeal over the Morris patent is respectfully requested and earnestly solicited.

Respectfully submitted,

Feb 15, 2002  
Date

Dale L. Carlson  
Dale L. Carlson  
Reg. No. 28,784  
Attorney for Appellants

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TECH CENTER 1600/2900

DOCKET NO. 101792-100

MAILED: February 15, 2002

SERIAL NO. 09/120,664

INVENTORS: David F. Gavin  
Craig Waldron  
Robert J. Martin  
George A. Polson

Request for Reconsideration  
Before The Board of Patent Appeals and  
Interferences

